

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5782	(electrode and (light or laser)) same (photoelectric\$3 or photocurrent)	US-PGPUB; USPAT	OR	ON	2007/06/20 13:59
L2	56	L1 and optical adj (tweezer or trap\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 13:59
L3	170	optical adj (trap\$4 or tweezer) and charged near2 (material or molecule or \$4crystal or particle)	US-PGPUB; USPAT	OR	ON	2007/06/20 14:01
L4	189	2 or 3	US-PGPUB; USPAT	OR	ON	2007/06/20 14:01
L5	13	4 and electrode near3 reference	US-PGPUB; USPAT	OR	ON	2007/06/20 14:04
L6	1	"4,893,886".pn.	US-PGPUB; USPAT	OR	ON	2007/06/20 14:04
L7	48	("4893886").URPN.	USPAT	OR	ON	2007/06/20 14:50
L8	6	7 and laser same electrode	USPAT	OR	ON	2007/06/20 14:09
L9	5	8 and current	USPAT	OR	ON	2007/06/20 14:09
L10	3	("6251691" or "5632957" or "5605662").pn. and electrode	USPAT	OR	ON	2007/06/20 14:57
L11	3	10 and photo\$7	USPAT	OR	ON	2007/06/20 14:58
S1	6	("6706473" or "6569382" or "6652808").pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:43
S2	0	S1 and (optic\$4 adj fiber and electrode near2 ring)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:44
S3	1	S1 and (optic\$4 adj fiber and electrode)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:44
S4	1	S1 and (ring same electrode)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:50
S5	2	S3 or S4	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:46
S6	3	S1 and laser	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:54
S7	1	S1 and (reference near5 electrode)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:48

## EAST Search History

S8	1	S1 and (teflon or polytetrafluoro\$)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:48
S9	4	S1 and (electrode)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:50
S10	2	S1 and (electrode same liquid)	US-PGPUB; USPAT; DERWENT	OR	ON	2007/06/20 10:50
S11	39	((CARL) near2 (EDMAN)).INV.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:03
S12	82	((MICHAEL) near2 (HELLER)).INV.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:03
S13	8	((CHRISTIAN) near2 (GURTNER)). INV.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:03
S14	6	((RACHEL) near2 (FORMOSA)). INV.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:04
S15	199	S11 or S12 or S13 or S14 or nanogen.as.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:04
S16	2	S15 and (electrode and (light or laser)) same (photoelectric\$3 or photocurrent)	US-PGPUB; USPAT	OR	ON	2007/06/20 11:17
S17	14	S15 and (electrode and (light or laser)) same ((\$5electric\$3 or photocurrent) and transport\$4)	US-PGPUB; USPAT	OR	ON	2007/06/20 11:09
S18	17	S15 and (photo\$9 or light or laser) near7 transport\$4	US-PGPUB; USPAT	OR	ON	2007/06/20 11:17
S19	7	("5445934" "5527670" "5925562"  "6054270" "6569382" "6652808"  "6708473").PN.	US-PGPUB; USPAT	OR	ON	2007/06/20 11:16
S20	2	S19 and (photo\$9 or light or laser) near7 transport\$4	US-PGPUB; USPAT	OR	ON	2007/06/20 11:17
S21	5782	(electrode and (light or laser)) same (photoelectric\$3 or photocurrent)	US-PGPUB; USPAT	OR	ON	2007/06/20 11:18
S22	2	S21 and transport\$4 near4 charged same (photoelectric\$3 or photocurrent)	US-PGPUB; USPAT	OR	ON	2007/06/20 11:18
S23	175	S21 and transport\$4 near4 (material or molecule or \$4crystal or particle) same (photoelectric\$3 or photocurrent)	US-PGPUB; USPAT	OR	ON	2007/06/20 12:52
S25	2	S23 and agarose	US-PGPUB; USPAT	OR	ON	2007/06/20 11:29
S26	11743	S21 and optical tweezer	US-PGPUB; USPAT	OR	ON	2007/06/20 11:30

## EAST Search History

S27	41	S21 and optical adj tweezer	US-PGPUB; USPAT	OR	ON	2007/06/20 13:59
S28	37	S27 and charged near2 (material or molecule or \$4crystal or particle)	US-PGPUB; USPAT	OR	ON	2007/06/20 11:32
S29	129	optical adj tweezer and charged near2 (material or molecule or \$4crystal or particle)	US-PGPUB; USPAT	OR	ON	2007/06/20 14:00
S30	9	S29 and electrode near4 reference	US-PGPUB; USPAT	OR	ON	2007/06/20 12:43
S35	77	("3950738"   "3995190"   "4032901"   "4563419"   "4580895"   "4584075"   "4594135"   "4599303"   "4728724"   "4731325"   "4751177"   "4787963"   "4804625"   "4816418"   "4822566"   "4822746"   "4824776"   "4859583"   "4868103"   "4908112"   "4908453"   "4996143"   "5063081"   "5075077"   "5096807"   "5125748"   "5126022"   "5143854"   "5164319"   "5166063"   "5200051"   "5202231"   "5219726"   "5227265"   "5231626"   "5234566"   "5278051"   "5304487"   "5312527"   "5316900"   "5346789"   "5355577"   "5380833"   "5399451"   "5405783"   "5434049"   "5466575"   "5505700"   "5561043"   "5565322"   "5567811"   "5605662"   "5632957"   "5637458"   "5653939"   "5674743"   "5681751"   "5723345"   "5741462"   "5751629"   "5789167"   "5795714"   "5849486"   "5874214"   "5925562"   "5965410"   "5965452"   "5968745"   "5972187"   "5972692"   "6017696"   "6025129"   "6033546"   "6048690"   "6051380"   "6251691"   "6507989").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/20 12:52
S36	2	S35 and (S21 or S29)	US-PGPUB; USPAT	OR	ON	2007/06/20 12:52